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Applicant : Joseph Dale Helmick  
Appl. No. : 09/878,811  
Publication No.: 20020107822  
Filed : 06/10/2001  
Title : Uncertain and complex system teaches neural networks  
Once amended  
Title : Statistical mechanics system teaches neural networks  
Grp./A.U. : 2122  
Examiner : Michael Holmes

Honorable Commissioner for Patents  
Washington DC

**AMENDMENTS**

Honorable Commissioner:

With certificate of mailing and in good faith before the first office action, please amend the above identified twice amended application as follows:

**In the Claims**

Please add Claim 19 as follows:

(New) --19. The claim of 1 for a signal generator.

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~~Please add Claim 20 as follows:~~

(New) --20. The claim of 1 for a system of gears where each of the special angles and matching special angles in match-with-rotate, yod, and zero vector are gear teeth that correspond to the ratios 16/16; 7/16 6/16 5/16; 4/16 (infinite loop); 3/16 2/16 1/16; 16/16 (0/16) respectively, (p.7, p.10, FIG. 7)

**VERSION WITH MARKINGS TO SHOW CHANGES MADE****In the Claims**

Claim 19 has been added as follows:

--19. The claim of 1 for a signal generator.